

APPENDIX XIII

130. SYSTEM ALLOCATION DOCUMENT

130.1 Purpose. This appendix provides criteria to be followed in the development of a System Allocation Document (SAD).

130.2 Scope. The SAD is used to identify the group of configuration items (computer software, hardware, and facilities) which form the basis for system design and integration. It shall be the document that identifies the location of all configuration items by configuration item serial number for each location of the system/configuration item program. The contractor shall prepare the SAD and shall update and maintain the document as specified in the contract.

130.3 Organization and content. The SAD shall include the data contained in sample formats A, B, and C shown on Figures 18, 19 and 20, however, the format is not a mandatory requirement. The document shall consist of lists, prepared as book form drawings and assigned drawing numbers, which identify the system configuration of each location. It shall also consist of the top assembly drawings of the configuration items at those locations.

130.3.1 This document shall be identified by a title page showing the system/configuration item program designation number assigned by the procuring activity followed by the title "System Allocation Document" as indicated in figure 18, sample A.

- c. A brief summary of the problem which the proposed change is to resolve.

130.3.2 Part I of the SAD shall contain the information shown in figure 19, sample B. This information shall be referenced/released by the Procuring Activity or integrating contractor as a book-form drawing. The drawing may be in the form of a data processing machine printout.

- a. The location block shall contain the official designation of the Procuring Activity or other organizational level where the listed configuration items will be integrated as a system for its mission.
- b. The system employment and configuration block shall contain a brief narrative describing the project at the location and describing the configuration required for that project.
- c. The specification reference block shall contain the paragraph numbers in the System/Segment Specification, section 3.1 system description which are applicable to the narrated employment and configuration description. For configuration item programs, the paragraphs of Section 3.1 configuration item definition of the development specification shall be used.

**Technical Control Equipment
for
Overseas Autovon**

Location	Drawing Number
Naples, Italy	90052151
Coltano, Italy	90052152
Hillingdon, England	90052153
Langerkoph, Germany	90052155
Corozal, Canal Zone	90052156
Feldberg, Germany	90052154
Donnersberg, Germany	90052158
Martlesham Heath, England	90052160
Flobecq, Belgium	90052161
Humosa, Spain	90052162
Schoenfeld, Germany	90052163
Fuchu, Japan	90052164
Athens, Greece	90052166
Ankara, Turkey	90052167
Finegoyan Bay, Guam	90052168
Futema, Okinawa	90052169
Dau, Philippine Islands	90052170
Gross Mountain, Taiwan	90052171

Figure 18 Sample A, System Allocation Document

System Employment and Configuration				Specification Reference		Location	
System Equipment				Installed Equipment			
Config Item Number	Short Title	Part Number	Serial Number	Config Item Number	Short Title	Part Number	Serial Number
Drawing Title and Number				4XXL System Allocation Document Part 1			
				Number	Sheet	of	Issue

Figure 19. Sample B, Typical System Allocation Document – Part 1

[illegible]

Figure 20. Sample C, Typical System Allocation Document – Part 2

- d. System equipment are the identified configuration items to be formally accepted by the contracting activity at the contractor's plant for accountability thereafter by the location. Some of these configuration items will be shipped to the location with other configuration items installed in them.

NOTE: The procuring activity regularly accepts configuration items from one source and supplies them for installation in equipment to be furnished as a configuration item by another source. An example is an engine supplied for installation in an aerospace vehicle. In these cases, the installing contractor shall always identify the supplied configuration items in the list of material of his drawing as Government-furnished.

- e. The configuration item number for the HWCI, and the software inventory number for the CSCI, based on the agreed to software inventory numbering system.
- f. The short title entry shall contain the noun phrase which is part of the title of the configuration item top drawing.
- g. The part number shall contain the part number of all quantities of the HWCI allocated by engineering design to the location.

NOTE: Initially, the contractor shall assign just one part number for all allocations of a configuration item. Practice to the contrary may indicate that a part number is being used as a configuration item number, indicating noninterchangeability and adversely affecting updating and maintenance.

- h. The serial number entry shall contain all serial numbers for the total quantities of each "configuration item number" allocated by engineering design to the location.
- i. Installed equipment shall contain the configuration items that are installed in the system equipment at the contractor's plant, or as removed and replaced subsequent to acceptance and recorded in historical records accompanying the configuration item.
- j. The configuration item number entry shall list all configuration items installed in each system equipment configuration item number.
- k. The short title, part number, and serial number shall be as defined in paragraphs f, g, and h, respectively, as applied to each installed equipment/configuration item number.

130.3.3 Part II of the SAD shall contain the top assembly drawing and quantity of all configuration items shown in Part I. Figure 20, sample C, is provided as a guide; all entries are self-explanatory. The equivalent to a hardware top assembly drawing for computer software is a CSCI architecture diagram found in the Software Product Specification.

130.3.4 Additional parts may be added, as approved by the contracting activity, to contain different machine sorts of part I data.

130.3.5 Configuration items that must be moved to different locations at intervals shall be listed and identified as such so that the entry need not be revised each time these configuration items are rotated or moved from site to site. For each such configuration item, the list shall identify, where practicable, the office maintaining records of the configuration item's movements.